



iPhone 6s Plus Display Assembly Replacement

Replace a cracked or broken screen/display in the iPhone 6s Plus, and transfer the home button to the new display.

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INTRODUCTION

Use this guide if your new display assembly comes with the [front-facing camera and sensor assembly](#) and the [display EMI shield](#) already installed. All you need to do is remove the old display assembly and transfer the home button to the new display assembly.

If your replacement display does not include those parts, follow the longer version of this guide [here](#).

In either case, it's important to transfer the original home button onto the new display in order for Touch ID to function.

You can also use this guide to replace the [display cable bracket](#).

[video: <https://www.youtube.com/watch?v=P8xVze0OHFE>]



TOOLS:

- [P2 Pentalobe Screwdriver iPhone](#) (1)
- [Phillips #000 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Suction Handle](#) (1)
- [Spudger](#) (1)
- [Tweezers](#) (1)




PARTS:

- [iPhone 6s Plus LCD Screen and Digitizer Full Assembly](#) (1)
- [iPhone 6s Plus Display Assembly Adhesive](#) (1)
- [NuGlas Tempered Glass Screen Protector for iPhone 6 Plus 6s Plus 7 Plus](#) (1)
- [iPhone 6s Plus Front Panel Assembly Cable Bracket](#) (1)

Step 1 — Pentalobe Screws




 Before disassembling your iPhone, discharge the battery below 25%. A charged lithium-ion battery can catch fire and/or explode if accidentally punctured.

- Power off your iPhone before beginning disassembly.
- Remove the two 3.4 mm Pentalobe screws on either side of the Lightning port.

Step 2 — Opening Procedure




 Opening the display on the 6s Plus separates a thin strip of adhesive around the perimeter of the display. If you prefer to replace the adhesive, have a set of new adhesive strips ready before you continue. It's possible to complete the repair without replacing the adhesive, and you probably won't notice any difference in functionality.

- Apply a suction cup to the lower left corner of the display assembly.

Step 3



- Pull up on the suction cup with firm, constant pressure to create a slight gap between the front panel and rear case.

 Pulling too hard may damage the display assembly. Apply just enough pressure to create a small gap between the display assembly and the rear case.

Step 4



- The safest place to pry from is the notch in the front panel above the headphone jack.
- While still maintaining pressure on the suction cup, insert the flat tip of a spudger into the gap, directly above the headphone jack.

Step 5



- Twist the spudger to widen the gap between the front panel and the rear case.

Step 6



- While firmly pulling up on the suction cup, slide the edge of the spudger under the bottom left corner of the display.

Step 7



- Slide the tip of the spudger up the left side of the phone, between the front panel and the rear case.

Step 8




- Insert the flat tip of the spudger under the right edge of the display.
- Slide the spudger up the right side.

Step 9



- Use a plastic opening tool to hold down the rear case while pulling up the suction cup to open the phone.

 Do **not** remove the display completely, or you will damage the data cables connecting the display near the top edge of the iPhone.

Step 10



- Pull up on the small nub on the suction cup to remove it from the display.

Step 11



- Gently grasp the display assembly and lift it up to open the phone, using the clips at the top of the front panel as a hinge.
- Open the display to about a 90° angle, and lean it against something to keep it propped up while you're working on the phone.
- ⚠ Don't open the display more than 90°—it is still connected to the top of the phone by the display, digitizer, and front camera cables which can tear easily.
- Add a rubber band to keep the display securely in place while you work. This prevents undue strain on the display cables.
- ⓘ In a pinch, you can use an unopened canned beverage to support the display.

Step 12 — Battery Connector



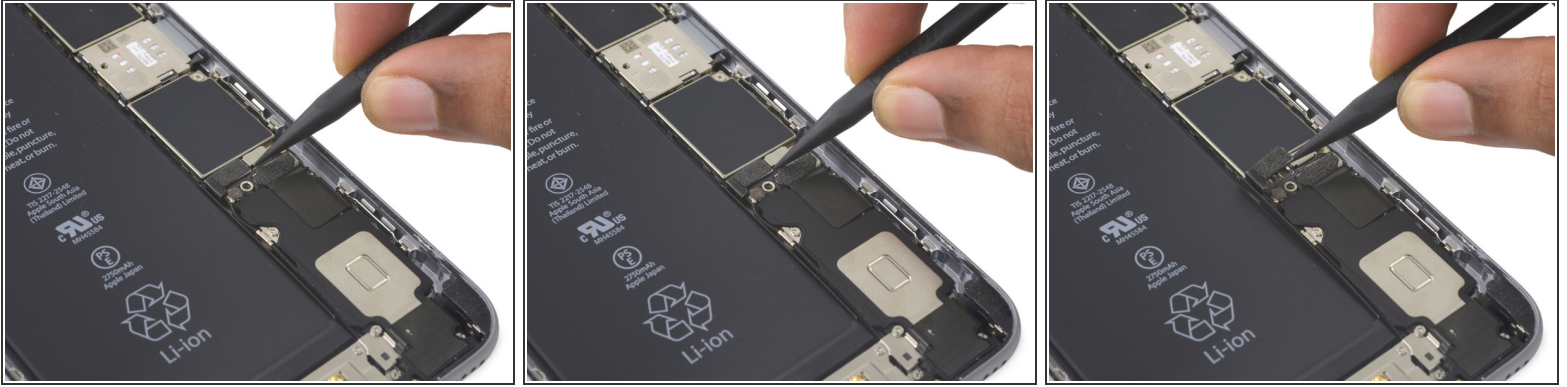
- Remove the following Phillips screws securing the battery connector bracket to the logic board:
 - One 2.9 mm screw
 - One 2.3 mm screw

Step 13



- Remove the battery connector bracket.

Step 14



- Use the pointed tip of the spudger to disconnect the battery connector from the logic board.

Step 15



- Bend the connector back to ensure it doesn't make contact and power the iPhone on while you're working on it.

Step 16 — Display Assembly



- Remove the following Phillips screws:
 - Three 1.3 mm screws
 - One 1.6 mm screw
 - One 3.0 mm screw
- ☑ During reassembly, it's critical to place this 3.0 mm screw in the top-right corner of the bracket. Placing it anywhere else may damage the logic board.

Step 17



- Remove the display cable bracket.

Step 18



 Be careful to only pry up on the connector itself and not the socket on the logic board.

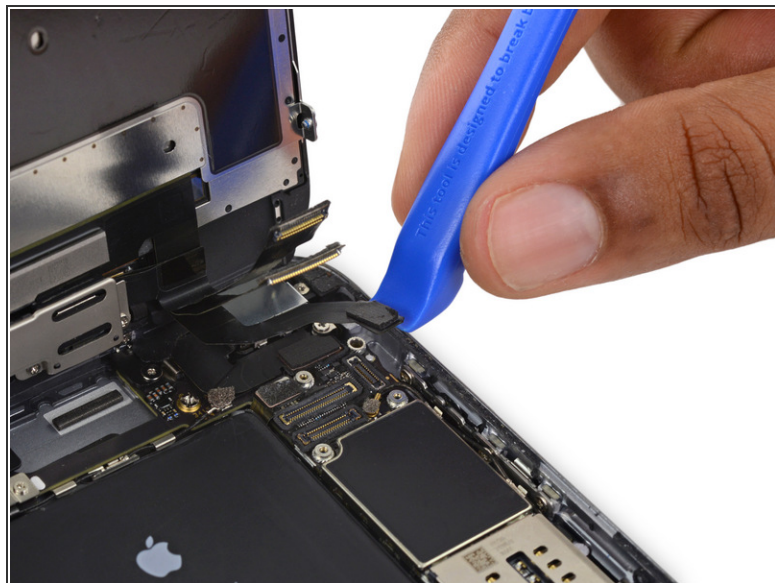
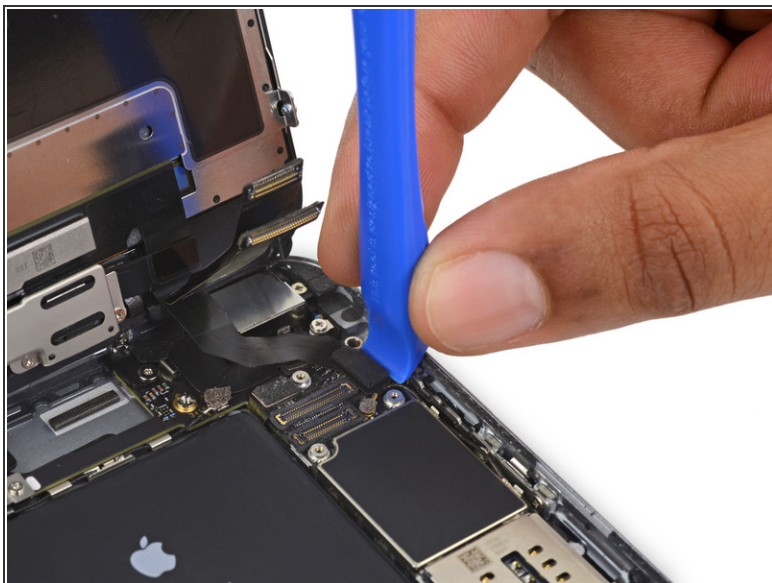
- Use a plastic opening tool to disconnect the front-facing camera and sensor cable connector.

Step 19



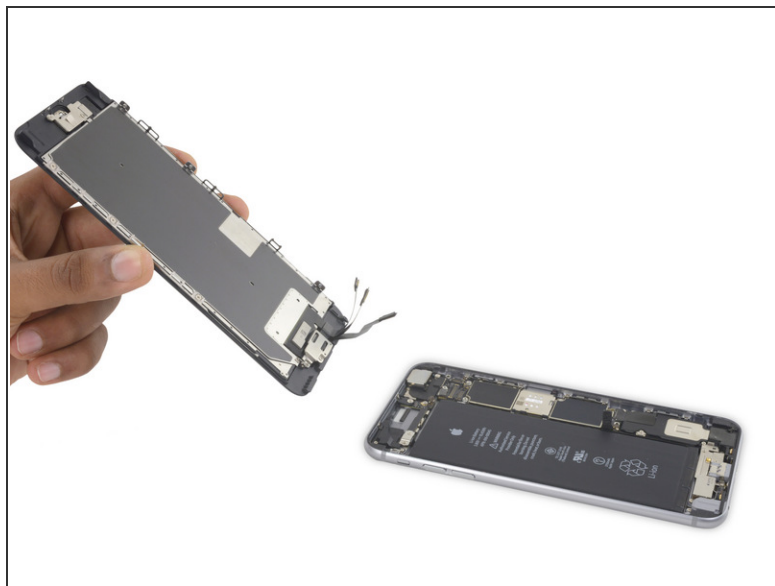
- Use a plastic opening tool to disconnect the digitizer cable by prying it straight up from its socket on the logic board.
- ☑ When reconnecting the digitizer cable, **do not press the center of the connector**. Press one end of the connector, then press the opposite end. Pressing in the center of the connector can bend the component and cause digitizer damage.

Step 20



- Use a plastic opening tool to disconnect the display data cable by prying it straight up from its socket on the logic board.

Step 21



- Remove the display assembly.
- ☑ During reassembly, pause here if you wish to [replace the adhesive around the edges of the display](#).

Step 22 — Home Button Assembly



- Remove the two 1.9 mm Phillips screws securing the home button bracket.

Step 23



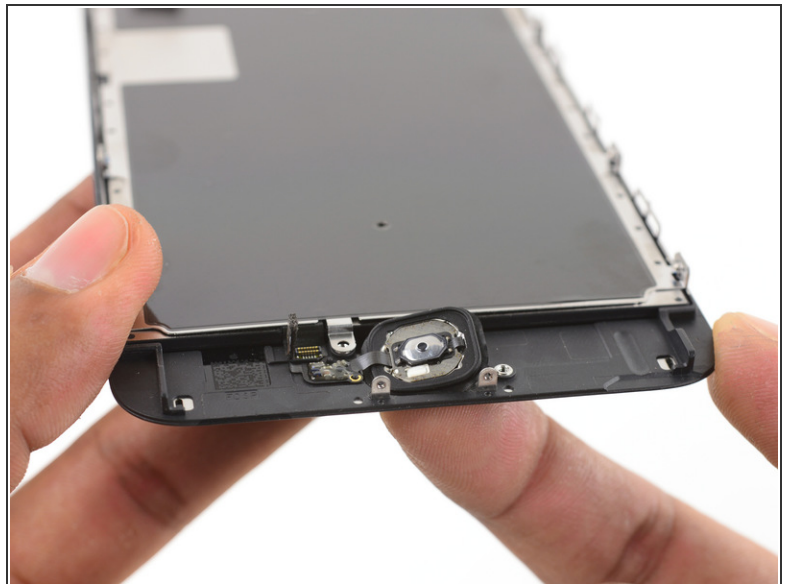
- Remove the home button bracket.


Step 24



- Use the pointed tip of a spudger to disconnect the home button cable from its connector on the display assembly.

Step 25



- Using your fingertip, gently press up on the home button from the front side of the display assembly to slowly separate the home button's rubber gasket from the front panel.
 The gasket is very thin and will tear easily. Apply steady pressure and give it time to separate.

Step 26



- Use the pointed end of a spudger to pry the lightly-adhered home button flex cable off the display assembly.

Step 27



- Remove the home button assembly.

To reassemble your device, follow these instructions in reverse order.

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